
J. A. McDONALD, INC.

P.O. Box 132, Lyndon Center, VT 05850 (802) 626-5201

E-Mail jamcdonaldinc@charter.net

CLARENDON BRO 1443 (48)

Construction Schedule Narrative REV1.0

J. A. McDonald, Inc. has been awarded a contract by the State of Vermont to replace Bridge #11 on Walker Mountain Road (TH3) in Clarendon, VT. This project has been designed under VTrans's accelerated bridge program. This project has a very aggressive construction schedule. VTrans has made provisions for a Bridge Closure Period (BCP) not to exceed 28 consecutive calendar days, to occur between the dates of June 20th and August 19th of 2015.

A critical element in the preparation of the attached schedule is the availability and coordination of precast components (Abutments, Wingwalls, Prestressed NEXT Beams). Fabrication of precast components including prestressed NEXT Beams will be provided by, JP Carrara & Sons. Other critical elements are crane availability, subcontractor coordination, project access/constraints, pre-excavation of earth/rock for pile installation...

JA McDonald has shown in the attached schedule mobilization, perimeter erosion controls and clear/grub operations occurring in early April. Special Provision 16 Environmental, restricts cutting of NLEB habitat trees which have been identified between April 15 through August 31. Following clearing operation (prior to April 15th) a temporary shutdown will precede the allowed BCP. Seven days prior to the BCP and demolition of the existing bridge, the State will do a bat habitat inspection and historical documentation of the existing structure. The implementation of the BCP is dependent upon the fabrication (approved for shipment) of the precast components. The schedule has established a 28 day BCP commencing on July 11th and extending to August 8th. The two weeks prior to the BCP, JA McDonald will pre-excavate and install/drive the abutment piles.

The attached schedule is based on a 12 hour work day, six days per week during the BCP. JA McDonald does not anticipate "night work" being required. This does not preclude the contractor from working longer days, Sundays and/or "night work" to maintain or accelerate the schedule. In the initial BCP multiple crews are scheduled to excavate, remove existing structure/abutments, complete channel/streambed reconstruction and stone fills. An 8 man crew is scheduled to set precast components, and form/pour concrete closure pours and combination concrete galv. steel bridge rail.

There are contraction activities/"task" which exceed the 1day/12 hour period during the BCP. These tasks (Activity ID #54,58,65 & 69) are primarily related to the concrete cure for the Rapid Set and Class A concrete. The begin and end Bridge Closure Period (Activity ID #35 & #85) have been included as constraints to reflect the 28 day BCP. In general, activities have been link finish to start, with some items having lag/lead times.

As noted above, this is a very aggressive schedule, with a number of variables, and components with long lead times.